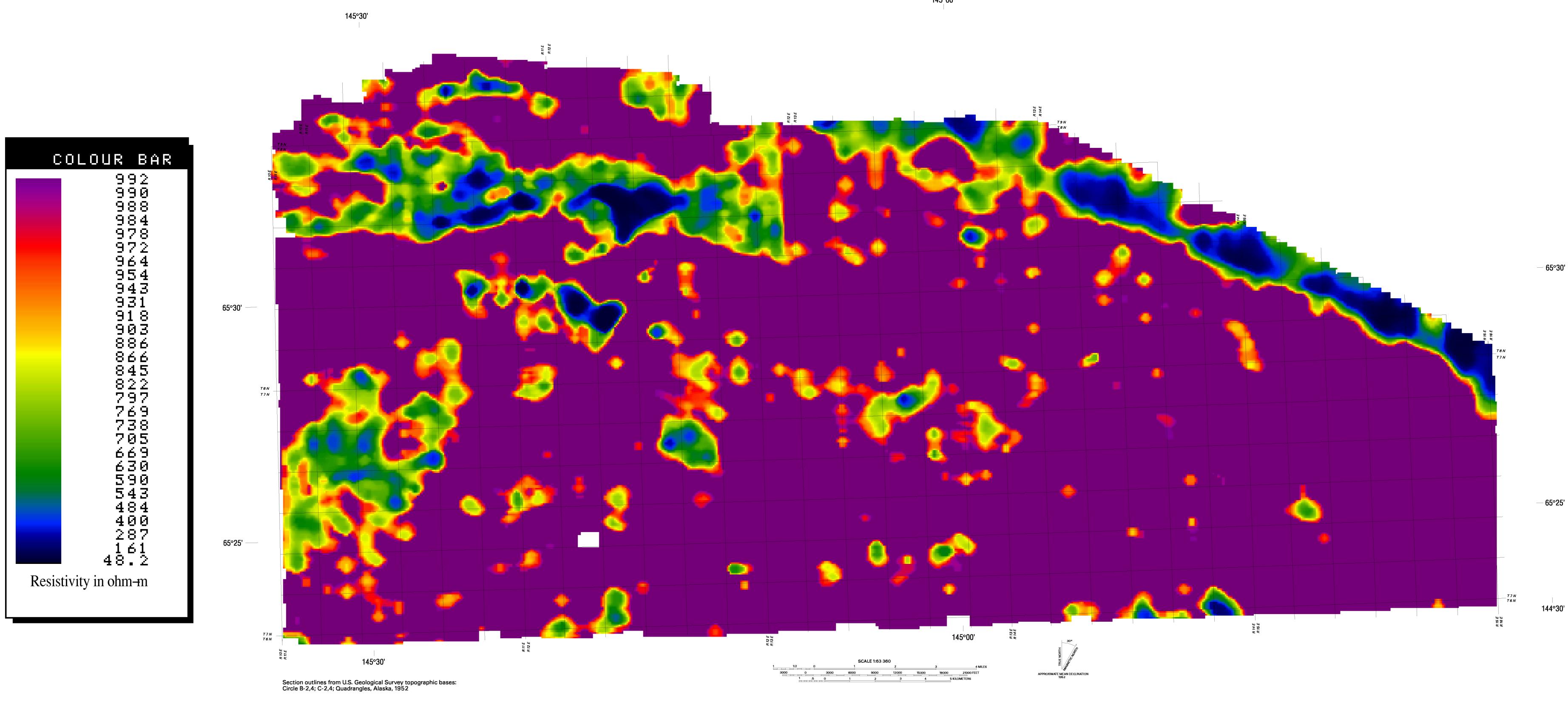
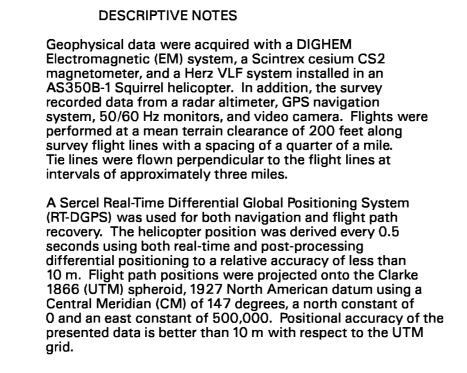
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900 Hz COPIANAR RESISTIVITY OF THE CIRCLE MINING DISTRICT

1994



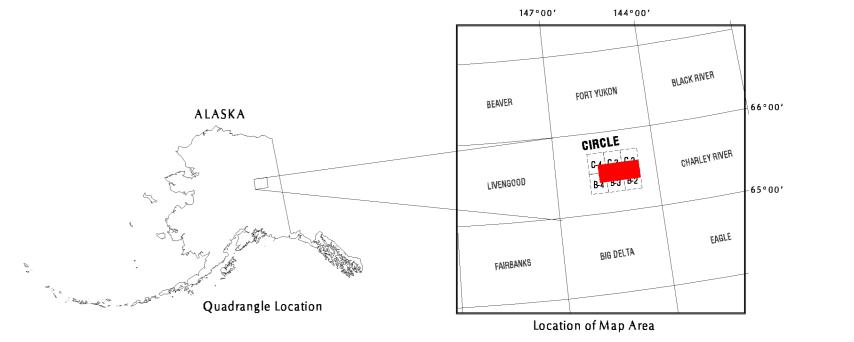
ELECTROMAGNETICS

The DIGHEMV EM system measured inphase and quadrature components at five frequencies. Two vertical coaxial coil-pairs operated at 900 and 5000 Hz while three horizontal coplanar coil-pairs operated at 900, 7200, and 56,000 Hz. EM data were sampled at 0.1 second intervals. The EM system responds to bedrock conductors, conductive overburden, and cultural sources. Resistivity is generated from the inphase and quadrature component of the coplanar 900 Hz using the pseudo-layer half space model. Blank region indicates area where the combination of a high flight altitude and a weak electromagnetic signal precludes meaningful resistivity calculation.



Department of Natural Resources
Division of Geological and Geophysical Surveys
Geologic Data Modeling System

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SURVEY HISTORY

This map has been compiled and drawn under contract between the State of Alaska, Department of Natural Resources, Division of Geological & Geophysical Surveys, and WGM, Mining and Geological Consultants, Inc. Airborne geophysical data for the area was acquired by Dighem Surveys & Processing, Inc. in 1993. Other products from this survey are available from the Alaska Division of Geological & Geophysical Surveys, 794 University Ave., Suite 200, Fairbanks, Alaska, 99709.